

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 91-017

TO AMEND SITE CLEANUP REQUIREMENTS, ORDER NO. 89-181 FOR:

MEMOREX CORPORATION
1200 MEMOREX DRIVE FACILITY
CITY OF SANTA CLARA
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Location and Facility Description - Memorex Corporation, hereinafter called the discharger, owns and leases to Memorex Technologies Inc. (an affiliated company) a computer tape manufacturing facility on a 10 acre site in the City of Santa Clara, Santa Clara County. The site is located at 1200 Memorex Drive, approximately 3 miles west of the intersection of Interstate 880 and Highway 101.
2. Site History - Tape manufacturing has been ongoing at this site for over twenty years. As part of the tape manufacturing process the discharger has operated and continues to operate solvent storage, distribution, and recovery systems which include underground tanks used to store the following chemical compounds: methyl ethyl ketone, xylenes, cyclohexanone, isopropanol, and acetone. In addition an underground diesel fuel tank had been maintained on site. Currently, the following chemicals are stored onsite in new double wall underground tanks: methyl ethyl ketone (MEK), cyclohexanone, waste water, and a mixture of waste MEK and cyclohexanone.

Subsurface investigations were initiated at the site in August 1982. These investigations detected organic solvents, including MEK, xylenes, and cyclohexanone, in both soils and groundwater, in the vicinity of the tank farm. This pollution appears to be the result of spillage, inadequate chemical handling practices, overflows, and/or leakage from tanks or piping. Initial site cleanup requirements were adopted in May 1985 as Waste Discharge Requirements. The Waste Discharge Requirements were replaced by Site cleanup Requirements in May 1988 and revised in December of 1989. Additional investigation is ongoing.

3. Interim Remedial Actions - Remedial actions to date include the installation of a groundwater extraction and treatment system, in 1985, to contain and cleanup the groundwater pollution. Additional interim actions were required under Order 88-082 to include the remediation of polluted soil in the tank farm complex. Twelve of the thirteen underground tanks have been removed and a program of in situ bioremediation for soils in the old tank farm area was instituted in May 1990. Removal of eight of the twelve tanks would have been required under Orders 89-181 and 88-082, the other four tanks were removed at the option and digression of Memorex. The remaining tank (slop tank) will be removed in May 1991 after a replacement tank is installed and tested. Replacement of the slop tank has been delayed by the slow progress of in situ soil remediation.

New site cleanup requirements were adopted in December 1989 to include final actions at this site and to revise submittal dates as a result of delays related to the removal of the old tank farm and installation of the new tank farm.

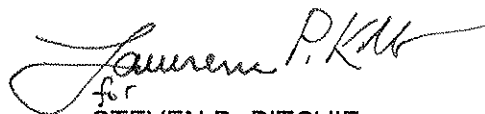
4. Rationale for Amendment - The discharger has complied with the requirements of Order 89-181. Current data indicates that the in situ soil remediation is effective, however the rate of biologic action is lower than anticipated. This will require additional time to achieve the soil cleanup goals outlined in Order 89-181. In addition, removal and replacement of the waste or slop tank has been delayed by technical and mechanical complications. Therefore Task C.1.c., Completion of Final Remedial Actions for Polluted Soil, can not be completed on schedule. The submittal date for this task required under Order 89-181 is January 14, 1991. Staff proposes extending this deadline one year to January 15, 1992. This extension should account for the lower rate of soil bioremediation and the delays attendant to the removal and replacement of the slop tank. The change in submittal date for this task will also change the submittal date for Task C.1.d. which is time dependent upon the completion of Task C.1.c. All other Prohibitions, Specifications and Provisions of Order 89-181 with any related submittal dates shall remain in force.
5. The Board, in a public meeting on February 20, 1991, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the dischargers their agents, successors, and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

c. TASK: COMPLETION OF FINAL REMEDIAL ACTIONS FOR POLLUTED SOIL:

COMPLETION DATE: Shall be changed from January 14, 1991 to January 15, 1992

I, STEVEN R. RITCHIE, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, February 20, 1991.


for
STEVEN R. RITCHIE
EXECUTIVE OFFICER